

### **ABSTRACT**

The invention relates to a composition containing total triterpenoid sapogenins extracted from bamboo, the preparation method and use thereof. These total triterpenoid sapogenins are extracted from many parts of bamboo such as bamboo shavings in *Gramineae* by CO<sub>2</sub> Supercritical Fluid Extraction technique. In the extract, the content of total triterpenoid sapogenins is 10-90%, while the contents of friedelin and lupenone are 5-35% and 1-10%, respectively. The extract in the invention has good physiological and pharmacological activities such as anti-free radical, anti-oxidation, anti-tumor and anti-hypertension. It can be used in medicines or functional foods for the treatment or prevention of cardiovascular and cerebrovascular diseases and tumor. It is also useful in cosmetics field.